



IFWO

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/629,649A

DATE: 09/13/2004

TIME: 11:20:40

Input Set : A:\18528.636.SeqList.txt
 Output Set: N:\CRF4\09132004\J629649A.raw

3 <110> APPLICANT: BEELEY, NIGEL R. A.
 4 PRICKETT, KATHRYN S.
 5 YOUNG, ANDREW A.
 6 HATHAWAY, DAVID R.
 8 <120> TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR TREATING POLYCYSTIC OVARY SYNDROME

10 <130> FILE REFERENCE: 18528.636
 12 <140> CURRENT APPLICATION NUMBER: 10/629,649A
 13 <141> CURRENT FILING DATE: 2003-07-30
 15 <150> PRIOR APPLICATION NUMBER: 10/317,126
 16 <151> PRIOR FILING DATE: 2002-12-11
 18 <150> PRIOR APPLICATION NUMBER: PCT/US03/01109
 19 <151> PRIOR FILING DATE: 2003-01-14
 21 <150> PRIOR APPLICATION NUMBER: 60/350,395
 22 <151> PRIOR FILING DATE: 2002-01-22
 24 <160> NUMBER OF SEQ ID NOS: 225
 26 <170> SOFTWARE: PatentIn version 3.2
 29 <210> SEQ ID NO: 1
 30 <211> LENGTH: 37
 31 <212> TYPE: PRT
 32 <213> ORGANISM: Unknown
 34 <220> FEATURE:
 35 <223> OTHER INFORMATION: Description of Unknown Organism: Mammalian GLP peptide
 37 <400> SEQUENCE: 1
 38 His Asp Glu Phe Glu Arg His Ala Glu Gly Thr Phe Thr Ser Asp Val
 39 1 5 10 15
 41 Ser Ser Tyr Leu Glu Gly Gln Ala Ala Lys Glu Phe Ile Ala Trp Leu
 42 20 25 30
 44 Val Lys Gly Arg Gly
 45 35
 48 <210> SEQ ID NO: 2
 49 <211> LENGTH: 36
 50 <212> TYPE: PRT
 51 <213> ORGANISM: Unknown
 53 <220> FEATURE:
 54 <223> OTHER INFORMATION: Description of Unknown Organism: Mammalian GLP peptide
 56 <220> FEATURE:
 57 <223> OTHER INFORMATION: C-term amidated
 59 <400> SEQUENCE: 2
 60 His Asp Glu Phe Glu Arg His Ala Glu Gly Thr Phe Thr Ser Asp Val
 61 1 5 10 15
 63 Ser Ser Tyr Leu Glu Gly Gln Ala Ala Lys Glu Phe Ile Ala Trp Leu
 64 20 25 30
 66 Val Lys Gly Arg

(pg. 6-7)
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67 35
70 <210> SEQ ID NO: 3
71 <211> LENGTH: 31
72 <212> TYPE: PRT
73 <213> ORGANISM: Unknown
75 <220> FEATURE:
76 <223> OTHER INFORMATION: Description of Unknown Organism: Mammalian GLP peptide
78 <400> SEQUENCE: 3
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80 1 5 10 15
82 Gln Ala Ala Lys Glu Phe Ile Ala Trp Leu Val Lys Gly Arg Gly
83 20 25 30
86 <210> SEQ ID NO: 4
87 <211> LENGTH: 30
88 <212> TYPE: PRT
89 <213> ORGANISM: Unknown
91 <220> FEATURE:
92 <223> OTHER INFORMATION: Description of Unknown Organism: Mammalian GLP peptide
94 <220> FEATURE:
95 <223> OTHER INFORMATION: C-term amidated
97 <400> SEQUENCE: 4
98 His Ala Glu Gly Thr Phe Thr Ser Asp Val Ser Ser Tyr Leu Glu Gly
99 1 5 10 15
101 Gln Ala Ala Lys Glu Phe Ile Ala Trp Leu Val Lys Gly Arg
102 20 25 30
105 <210> SEQ ID NO: 5
106 <211> LENGTH: 29
107 <212> TYPE: PRT
108 <213> ORGANISM: Unknown
110 <220> FEATURE:
111 <223> OTHER INFORMATION: Description of Unknown Organism: Truncated form of GLP-1
113 <400> SEQUENCE: 5
114 Glu Gly Thr Phe Thr Ser Asp Val Ser Ser Tyr Leu Glu Gly Gln Ala
115 1 5 10 15
117 Ala Lys Glu Phe Ile Ala Trp Leu Val Lys Gly Arg Gly
118 20 25
121 <210> SEQ ID NO: 6
122 <211> LENGTH: 28
123 <212> TYPE: PRT
124 <213> ORGANISM: Unknown
126 <220> FEATURE:
127 <223> OTHER INFORMATION: Description of Unknown Organism: Truncated form of GLP-1
129 <220> FEATURE:
130 <223> OTHER INFORMATION: C-term amidated
132 <400> SEQUENCE: 6
133 Glu Gly Thr Phe Thr Ser Asp Val Ser Ser Tyr Leu Glu Gly Gln Ala
134 1 5 10 15
136 Ala Lys Glu Phe Ile Ala Trp Leu Val Lys Gly Arg
137 20 25

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Input Set : A:\18528.636.SeqList.txt
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140 <210> SEQ ID NO: 7
141 <211> LENGTH: 39
142 <212> TYPE: PRT
143 <213> ORGANISM: Unknown
145 <220> FEATURE:
146 <223> OTHER INFORMATION: Description of Unknown Organism: Exendin 3
148 <220> FEATURE:
149 <223> OTHER INFORMATION: C-term amidated
151 <400> SEQUENCE: 7
152 His Ser Asp Gly Thr Phe Thr Ser Asp Leu Ser Lys Gln Met Glu Glu
153 1 5 10 15
155 Glu Ala Val Arg Leu Phe Ile Glu Trp Leu Lys Asn Gly Gly Pro Ser
156 20 25 30
158 Ser Gly Ala Pro Pro Pro Ser
159 35
162 <210> SEQ ID NO: 8
163 <211> LENGTH: 31
164 <212> TYPE: PRT
165 <213> ORGANISM: Unknown
167 <220> FEATURE:
168 <223> OTHER INFORMATION: Description of Unknown Organism: Exendin 4 (9-39) (NH2)
170 <220> FEATURE:
171 <223> OTHER INFORMATION: C-term amidated
173 <400> SEQUENCE: 8
174 Asp Leu Ser Lys Gln Met Glu Glu Ala Val Arg Leu Phe Ile Glu
175 1 5 10 15
177 Trp Leu Lys Asn Gly Gly Pro Ser Ser Gly Ala Pro Pro Pro Ser
178 20 25 30
181 <210> SEQ ID NO: 9
182 <211> LENGTH: 39
183 <212> TYPE: PRT
184 <213> ORGANISM: Unknown
186 <220> FEATURE:
187 <223> OTHER INFORMATION: Description of Unknown Organism: Exendin 4
189 <220> FEATURE:
190 <223> OTHER INFORMATION: C-term amidated
192 <400> SEQUENCE: 9
193 His Gly Glu Gly Thr Phe Thr Ser Asp Leu Ser Lys Gln Met Glu Glu
194 1 5 10 15
196 Glu Ala Val Arg Leu Phe Ile Glu Trp Leu Lys Asn Gly Gly Pro Ser
197 20 25 30
199 Ser Gly Ala Pro Pro Pro Ser
200 35
203 <210> SEQ ID NO: 10
204 <211> LENGTH: 38
205 <212> TYPE: PRT
206 <213> ORGANISM: Unknown
208 <220> FEATURE:
209 <223> OTHER INFORMATION: Description of Unknown Organism: Helospectin I

RAW SEQUENCE LISTING

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Input Set : A:\18528.636.SeqList.txt
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211 <400> SEQUENCE: 10
212 His Ser Asp Ala Thr Phe Thr Ala Glu Tyr Ser Lys Leu Leu Ala Lys
213 1 5 10 15
215 Leu Ala Leu Gln Lys Tyr Leu Glu Ser Ile Leu Gly Ser Ser Thr Ser
216 20 25 30
218 Pro Arg Pro Pro Ser Ser
219 35
222 <210> SEQ ID NO: 11
223 <211> LENGTH: 37
224 <212> TYPE: PRT
225 <213> ORGANISM: Unknown
227 <220> FEATURE:
228 <223> OTHER INFORMATION: Description of Unknown Organism: Helospectin II
230 <400> SEQUENCE: 11
231 His Ser Asp Ala Thr Phe Thr Ala Glu Tyr Ser Lys Leu Leu Ala Lys
232 1 5 10 15
234 Leu Ala Leu Gln Lys Tyr Leu Glu Ser Ile Leu Gly Ser Ser Thr Ser
235 20 25 30
237 Pro Arg Pro Pro Ser
238 35
241 <210> SEQ ID NO: 12
242 <211> LENGTH: 35
243 <212> TYPE: PRT
244 <213> ORGANISM: Unknown
246 <220> FEATURE:
247 <223> OTHER INFORMATION: Description of Unknown Organism: Helodermatin
249 <220> FEATURE:
250 <223> OTHER INFORMATION: C-term amidated
252 <400> SEQUENCE: 12
253 His Ser Asp Ala Ile Phe Thr Glu Glu Tyr Ser Lys Leu Leu Ala Lys
254 1 5 10 15
256 Leu Ala Leu Gln Lys Tyr Leu Ala Ser Ile Leu Gly Ser Arg Thr Ser
257 20 25 30
259 Pro Pro Pro
260 35
263 <210> SEQ ID NO: 13
264 <211> LENGTH: 35
265 <212> TYPE: PRT
266 <213> ORGANISM: Unknown
268 <220> FEATURE:
269 <223> OTHER INFORMATION: Description of Unknown Organism: Q8, Q9 heliodermin
271 <220> FEATURE:
272 <223> OTHER INFORMATION: C-term amidated
274 <400> SEQUENCE: 13
275 His Ser Asp Ala Ile Phe Thr Gln Gln Tyr Ser Lys Leu Leu Ala Lys
276 1 5 10 15
278 Leu Ala Leu Gln Lys Tyr Leu Ala Ser Ile Leu Gly Ser Arg Thr Ser
279 20 25 30
281 Pro Pro Pro

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DATE: 09/13/2004

TIME: 11:20:40

Input Set : A:\18528.636.SeqList.txt
Output Set: N:\CRF4\09132004\J629649A.raw

282 35
285 <210> SEQ ID NO: 14
286 <211> LENGTH: 30
287 <212> TYPE: PRT
288 <213> ORGANISM: Artificial sequence
290 <220> FEATURE:
291 <223> OTHER INFORMATION: Description of Artificial Sequence: Truncated
292 form of exendin-4
294 <400> SEQUENCE: 14
295 His Gly Glu Gly Thr Phe Thr Ser Asp Leu Ser Lys Gln Met Glu Glu
296 1 5 10 15
298 Glu Ala Val Arg Leu Phe Ile Glu Trp Leu Lys Asn Gly Gly
299 20 25 30
302 <210> SEQ ID NO: 15
303 <211> LENGTH: 30
304 <212> TYPE: PRT
305 <213> ORGANISM: Artificial sequence
307 <220> FEATURE:
308 <223> OTHER INFORMATION: Description of Artificial Sequence: Truncated form
309 of Exendin-4
311 <220> FEATURE:
312 <223> OTHER INFORMATION: C-term amidated
314 <400> SEQUENCE: 15
315 His Gly Glu Gly Thr Phe Thr Ser Asp Leu Ser Lys Gln Met Glu Glu
316 1 5 10 15
318 Glu Ala Val Arg Leu Phe Ile Glu Trp Leu Lys Asn Gly Gly
319 20 25 30
322 <210> SEQ ID NO: 16
323 <211> LENGTH: 28
324 <212> TYPE: PRT
325 <213> ORGANISM: Artificial Sequence
327 <220> FEATURE:
328 <223> OTHER INFORMATION: Description of Artificial Sequence: Truncated form
329 of Exendin-4
331 <220> FEATURE:
332 <223> OTHER INFORMATION: C-term amidated
334 <400> SEQUENCE: 16
335 His Gly Glu Gly Thr Phe Thr Ser Asp Leu Ser Lys Gln Met Glu Glu
336 1 5 10 15
338 Glu Ala Val Arg Leu Phe Ile Glu Trp Leu Lys Asn
339 20 25
342 <210> SEQ ID NO: 17
343 <211> LENGTH: 39
344 <212> TYPE: PRT
345 <213> ORGANISM: Artificial sequence
347 <220> FEATURE:
348 <223> OTHER INFORMATION: Description of Artificial Sequence: 14-Leu, 25-Phe form
349 of exendin-4
351 <220> FEATURE:

RAW SEQUENCE LISTING ERROR SUMMARY DATE: 09/13/2004
PATENT APPLICATION: US/10/629,649A TIME: 11:20:41

Input Set : A:\18528.636.SeqList.txt
Output Set: N:\CRF4\09132004\J629649A.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:20; Xaa Pos. 1,2,3,5,6,7,8,9,10,11,12,13,14,15,16,17,19,20,21,22,23,24
Seq#:20; Xaa Pos. 25,26,27,28,29,30,31,32,33,34,35,36,37,38
Seq#:21; Xaa Pos. 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,19,20,21,22,23
Seq#:21; Xaa Pos. 24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39
Seq#:22; Xaa Pos. 1,2,3,5,6,7,8,9,10,11,12,13,14,15,16,17,19,20,21,22,23,24
Seq#:22; Xaa Pos. 25,26,27,28,29,30,31,32,33,34,35,36,37,38
Seq#:23; Xaa Pos. 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,19,20,21,22,23
Seq#:23; Xaa Pos. 24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39
Seq#:24; Xaa Pos. 1,2,3,5,6,7,8,9,10,11,12,13,14,15,16,17,19,20,21,22,23,24
Seq#:24; Xaa Pos. 25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40
Seq#:25; Xaa Pos. 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,19,20,21,22,23
Seq#:25; Xaa Pos. 24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40,41
Seq#:26; Xaa Pos. 1,2,3,6,7,8,9,10,14,22,23,24,25,31,36,37,38,39
Seq#:27; Xaa Pos. 1,2,3,6,7,8,9,10,14,22,23,24,25,27,30,35,36,37,38
Seq#:37; Xaa Pos. 6
Seq#:42; Xaa Pos. 10
Seq#:43; Xaa Pos. 10
Seq#:44; Xaa Pos. 14
Seq#:45; Xaa Pos. 14
Seq#:46; Xaa Pos. 22
Seq#:49; Xaa Pos. 23
Seq#:50; Xaa Pos. 23
Seq#:53; Xaa Pos. 31,36,37,38
Seq#:54; Xaa Pos. 36,37,38
Seq#:55; Xaa Pos. 31,36,37,38
Seq#:56; Xaa Pos. 36,37,38
Seq#:57; Xaa Pos. 31,36,37,38
Seq#:58; Xaa Pos. 31,36,37,38
Seq#:59; Xaa Pos. 31,36,37,38
Seq#:60; Xaa Pos. 36,37,38
Seq#:61; Xaa Pos. 31,36,37,38
Seq#:103; Xaa Pos. 31,36,37,38
Seq#:104; Xaa Pos. 36,37,38
Seq#:105; Xaa Pos. 31
Seq#:106; Xaa Pos. 31,36,37
Seq#:107; Xaa Pos. 31,36,37
Seq#:108; Xaa Pos. 31,36
Seq#:111; Xaa Pos. 6
Seq#:115; Xaa Pos. 10
Seq#:116; Xaa Pos. 22
Seq#:117; Xaa Pos. 23
Seq#:121; Xaa Pos. 31,36,37
Seq#:137; Xaa Pos. 6
Seq#:138; Xaa Pos. 6

RAW SEQUENCE LISTING ERROR SUMMARY DATE: 09/13/2004
PATENT APPLICATION: US/10/629,649A TIME: 11:20:41

Input Set : A:\18528.636.SeqList.txt
Output Set: N:\CRF4\09132004\J629649A.raw

Seq#:149; Xaa Pos. 10
Seq#:150; Xaa Pos. 10
Seq#:159; Xaa Pos. 14
Seq#:160; Xaa Pos. 14
Seq#:173; Xaa Pos. 22
Seq#:174; Xaa Pos. 22
Seq#:177; Xaa Pos. 23

VERIFICATION SUMMARY

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Input Set : A:\18528.636.SeqList.txt
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L:606 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20 after pos.:0
M:341 Repeated in SeqNo=20
L:827 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21 after pos.:0
M:341 Repeated in SeqNo=21
L:1033 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22 after pos.:0
M:341 Repeated in SeqNo=22
L:1249 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23 after pos.:0
M:341 Repeated in SeqNo=23
L:1470 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24 after pos.:0
M:341 Repeated in SeqNo=24
L:1701 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25 after pos.:0
M:341 Repeated in SeqNo=25
L:1822 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26 after pos.:0
M:341 Repeated in SeqNo=26
L:1959 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:27 after pos.:0
M:341 Repeated in SeqNo=27
L:2172 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:37 after pos.:0
L:2287 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:42 after pos.:0
L:2314 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:43 after pos.:0
L:2341 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:44 after pos.:0
L:2368 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:45 after pos.:0
L:2398 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:46 after pos.:16
L:2469 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:49 after pos.:16
L:2496 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:50 after pos.:16
L:2572 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:53 after pos.:16
M:341 Repeated in SeqNo=53
L:2602 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:54 after pos.:32
L:2631 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:55 after pos.:16
M:341 Repeated in SeqNo=55
L:2661 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:56 after pos.:32
L:2690 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:57 after pos.:16
M:341 Repeated in SeqNo=57
L:2722 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:58 after pos.:16
M:341 Repeated in SeqNo=58
L:2754 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:59 after pos.:16
M:341 Repeated in SeqNo=59
L:2784 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:60 after pos.:32
L:2813 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:61 after pos.:16
M:341 Repeated in SeqNo=61
L:3660 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:103 after pos.:16
M:341 Repeated in SeqNo=103
L:3690 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:104 after pos.:32
L:3714 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:105 after pos.:16
L:3746 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:106 after pos.:16
M:341 Repeated in SeqNo=106
L:3778 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:107 after pos.:16
M:341 Repeated in SeqNo=107
L:3810 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:108 after pos.:16

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M:341 Repeated in SeqNo=108

L:3875 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:111 after pos.:0

L:4144 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:124